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(54) Title: METHODS OF MODULATING CELL CYCLE AND CELL SIGNALING PATHWAYS USING BILIVERDIN REDUCTASE

(57) Abstract: The present invention relates to a method of modifying expression of cell cycle or cell signaling proteins. This method involves modifying the nuclear or cellular concentration of biliverdin reductase, or fragments or variants thereof, in a cell, whereby a change in the nuclear or cellular concentration of biliverdin reductase, or fragments or variants thereof, modifies the transcription or expression of cell cycle or cell signaling proteins.